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- 1 [From formal models to formally based methods: an industrial experience](#)
 Emanuele Ciapessoni, Piergiorgio Mirandola, Alberto Coen-Porisini, Dino Morzenti

January 1999 **Transactions on Software Engineering and Methodology**
 Volume 8 Issue 1

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (239.61 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 105, Citations: 0

We address the problem of increasing the impact of formal methods in industrial computer applications. We summarize the reasons why formal methods did not gain widespread use within the industrial environment despite se

Keywords: formal models, industrial applications, object orientation, supervision and control, technology transfer

- 2 [Impromptu: managing networked audio applications for mobile users](#)
 Chris Schmandt, Kwan Hong Lee, Jang Kim, Mark Ackerman
 June 2004 **MobiSys '04: Proceedings of the 2nd international conference on mobile systems, applications, and services**

Publisher: ACM [Request Permissions](#)

Full text available: Pdf (240.36 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 47, Citations: 0

This paper discusses the software architecture of Impromptu, a mobile computing platform, with an associated set of network-based applications. Impromptu merges the communication properties and universal mobility of a telephone ...

Keywords: WiFi, architecture, audio applications, audio interface, mobile speech interface, telephony, voice over IP


- 3 [Power-aware data management for small devices](#)
 Sami Rollins, Kevin Almeroth, Dejan MilojivHic, Kiran Nagaraja
 September 2002 **WOWMOM '02: Proceedings of the 5th ACM international workshop on mobile computing and its applications**

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Wireless mobile multimedia

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Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 35, Citation

Pervasive computing devices such as Personal Digital Assistants (PDAs) computers are becoming increasingly ubiquitous. The future promises e advanced devices such as digital watches, jewelry, and even clothing. H pervasive ...

Keywords: content management, energy, small devices

- 4 [Some assembly required: building a digital government for the 21st c](#)
Sharon S. Dawes, Peter A. Bioniarz, Kristine L. Kelly, Patricia D. Fletcher
May 2002 **dg.o '02: Proceedings of the 2002 annual national conference on government research**

Publisher: Digital Government Research Center

Full text available:  [Pdf](#) (889.22 KB) Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 192, Citati

- 5 [Public-key support for group collaboration](#)

 [Carl Ellison, Steve Dohrmann](#)

November 2003 **Transactions on Information and System Security (T**
Issue 4

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (561.61 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

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This paper characterizes the security of group collaboration as being a p of cryptographic algorithms and coding practices, but also of the man-n group creation. We show that traditional security mechanisms do not pr


Keywords: Human-computer interface, IPsec, PGP, PKI, S/MIME, SDSI

- 6 [Motorcycling and social interaction: design for the enjoyment of brief encounters](#)

 [Mattias Esbjörnsson, Oskar Juhlin, Mattias Östergen](#)

November 2003 **GROUP '03: Proceedings of the 2003 international ACM SI**
conference on Supporting group work


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We report an ethnographic fieldwork that reveals the importance of soci especially traffic encounters, for the enjoyment of motorcycling. Motorc appreciable amount of time on the roads to meet other bikers. During tl

Keywords: bikers, ethnography, social interaction, traffic encounters

- 7 [Supporting activity-centric collaboration through peer-to-peer shared](#)
 [Werner Geyer, Jürgen Vogel, Li-Te Cheng, Michael Müller](#)
November 2003 **GROUP '03:** Proceedings of the 2003 international ACM SIG
conference on Supporting group work

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (366.92 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 70, Citation

We describe a new collaborative technology that is mid-way between the email and the formality of shared workspaces. Email and other ad hoc systems are typically lightweight and flexible, but build up an unmanageable


Keywords: activity-centric collaboration, emerging collaboration, object peer-to-peer, replication, synchronization

- 8 [ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2](#)
 May 2003 SIGGRAPH Computer Graphics


Publisher: ACM

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

- 9 [Requirements for photoware](#)
 [David Frohlich, Allan Kuchinsky, Celine Perin, Abbe Don, Steven Ariss](#)
November 2002 **CSCW '02:** Proceedings of the 2002 ACM conference on Cooperative work

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (364.89 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 203, Citation


Eleven PC-owning families were interviewed at home about their use of digital photos. They also completed photo diaries and recorded photo-sharing conversations that occurred spontaneously over a three month period at home ...

Keywords: cameras, communication, digital photography, photo sharing, storytelling, user requirements

- 10 [An experimental simulation of multi-site software development](#)
[N. Sadat Shami, Nathan Bos, Zach Wright, Susannah Hoch, Kam Yung Kua](#)
[Gary Olson](#)

October 2004 **CASCON '04:** Proceedings of the 2004 conference of the Center
Studies on Collaborative research

Publisher: IBM Press

Full text available:  [Pdf](#) (232.52 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 89, Citation


Effective communication and coordination across multiple sites is extrer global software development. An experimental simulation that mimics a software division working across multiple locations was designed to stuc

11 Laptops in the classroom

 Andrea Beth Campbell, Roy P. Pargas

February 2003 **SIGCSE '03: Proceedings of the 34th SIGCSE technical symposium on Computer science education**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (220.28 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 43, Downloads (12 Months): 316, Citation

This paper focuses on a rapidly growing population on many college and campuses today: students equipped with laptop computers capable of web access to the Internet. More and more departments are requiring that students

Keywords: CS ed research, animation, classroom management, communication curriculum issues, distance education, human-computer interface, information technology, laptop-enhanced courses, pedagogy, visualization, web-based

Also published in:

January 2003 **SIGCSE Bulletin** Volume 35 Issue 1

12 ACM SIGGROUP Bulletin: Volume 24 Issue 1

 April 2003 **SIGGROUP Bulletin**

Publisher: ACM


Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation

13 From voice-band modems to DSL technologies

September 2001 **International Journal of Network Management**, Volume 1


Publisher: John Wiley & Sons, Inc.

Full text available:  [Pdf](#) (170.80 KB) Additional Information: [full citation](#), [abstract](#), [reference review](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 60, Citation

This paper provides an overview of the evolution of digital transmission access network from voice-band modems to Digital Subscriber Line (DSL). The various types of DSL technology are described. Copyright © 2001 J

14 Designing remail: reinventing the email client through innovation and

 Bernard Kerr, Eric Wilcox

April 2004 **CHI '04: CHI '04 extended abstracts on Human factors in computing systems**

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (1.68 MB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 47, Citation

The Remail design team defined a specification for an innovative and intelligent client. This design-lead effort tackled three key problems that email researchers discovered: lack of context, co-opting of email, and keeping track of topics


Keywords: concept design, experience design, experience strategy, information architecture, integration

15 [Frontiers in electronic media](#)

 [Kim H. Veltman](#)


July 1997 **interactions**, Volume 4 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (11.63 MB) Additional Information: [full citation](#), [references](#), [cite this review](#)


Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 172, Citations

16 [Constructing a web-based asynchronous and synchronous collaboration using WebDAV and Lotus Sametime](#)

 [Changtao Qu, Wolfgang Nejdl](#)

October 2001 **SIGUCCS '01: Proceedings of the 29th annual ACM SIGUCCS User services**

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (477.98 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 84, Citations

In this paper we present our practice of constructing a Web-based asynchronous collaboration environment for supporting collaborative distributed authoring between a German university and a university in Italy. We utilize the requirements engineering friendly ...


Keywords: asynchronous collaboration, lotus sametime, synchronous collaboration, web-based distributed authoring and versioning

17 [Stimulating social engagement in a community network](#)

 [David R. Millen, John F. Patterson](#)

November 2002 **CSCW '02: Proceedings of the 2002 ACM conference on Cooperative work**

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (384.26 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)


Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 210, Citations

One of the most challenging problems facing builders and facilitators of networks is to create and sustain social engagement among members. We investigate the drivers of social engagement in a community network through analysis ...

Keywords: community networks, community-support systems, empirical

awareness, social engagement


18 [A formal design notation for real-time systems](#)

 Miguel Felder, Mauro Pezzè

April 2002 **Transactions on Software Engineering and Methodology** (

Issue 2

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (2.71 MB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[review](#)

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 174, Citati

The development of real-time systems is based on a variety of different notations. Despite the purported benefits of formal methods, informal to a predominant role in current industrial practice. Formal and informal m

Keywords: Formal design specification, design of real time systems, fo design specification, structured design


19 [Adaptive memory management and optimism control in time warp](#)

 Samir R. Das, Richard M. Fujimoto

April 1997 **Transactions on Modeling and Computer Simulation (TOM**

Issue 2

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (321.66 KB) Additional Information: [full citation](#), [abstract](#), [referen](#)
[terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation

It is widely believed that the Time Warp protocol for parallel discrete ev prone to two potential problems: an excessive amount of wasted, rolled resulting from "rollback thrashing" behaviors, and inefficient ...

20 [Some assembly required: building a digital government for the 21st c](#)

Sharon S. Dawes, Peter A. Bloniarz, Kristine L. Kelly, Patricia D. Fletcher

May 2000 **dg.o '00: Proceedings of the 2000 annual national conference on government research**

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